

Bluetooth Module

User's Guide

Welcome

Welcome to Motorola's "connected" world of Bluetooth personal area wireless networking. We are pleased you have chosen the Motorola Bluetooth Phone Module to keep you connected with ease.

The Bluetooth Phone Module enables you to exchange data and/or audio seamlessly between your cellular telephone and other Bluetooth devices such as PDAs or notebook computers.

All Motorola wireless products are designed and manufactured to meet Motorola's rigorous specifications and world-class quality standards. During development, our testing team took the Motorola Bluetooth Phone Module through rigorous durability tests including temperature, humidity, shock, dust, vibration, and drop tests—and it worked perfectly.

We are confident that you will find your Bluetooth Phone Module to be a convenient and secure way to exchange voice signals and other data. Thank you for choosing a Motorola Bluetooth product!

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Getting Started

What Is Bluetooth?

Bluetooth is a type of radio communication. Bluetooth *devices* can find and communicate with each other without using any wires.

Bluetooth *devices* (such as Bluetooth Phone Modules and speakerphones) communicate through a common link that the two devices share.

A Bluetooth device can *seek* other Bluetooth devices and determine which ones are open. An *open* device is one that is awaiting a link. A Bluetooth device can then *link*—establish an active connection—to the device and begin exchanging voice signals or other data with it.

Attaching the Module to Your Phone

Do This

- 1** Turn off your phone.

- 2** Remove the battery cover.



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- 3** Attach the Bluetooth module.

Note: The Bluetooth module uses some battery power whenever it is attached. (See "Adjusting the Power Mode" on page 9).



Getting Started

Bluetooth Menus

Note: Bluetooth menu items only appear when the Bluetooth module is attached.

Before you make a bond, the Bluetooth Link Menu includes these selections:

- **Bluetooth Link**
 - Hands Free
 - Reconnect
 - Scan All
 - Voice Dial
 - Devices
 - Setup
 - Await Link
 - Power Mode
 - Name

After you make a bond, the Bluetooth Link Menu includes these selections:

- **Bluetooth Link**
 - Hands Free
 - Disconnect
 - Voice Dial
 - Devices
 - Setup
 - Await Link
 - Power Mode
 - Name

Getting Started

Naming Your Module

When other Bluetooth devices find your module in a scan, they see its 12-character Bluetooth address. (PC tools can see more character.)

If you want them to see a text name instead, you can “name” your module.

To name your Bluetooth module:

Find the Feature

 > Settings > Connection
> Bluetooth Link > Setup > Name

Press	To
1 keypad keys	enter the characters for the name (40 characters maximum)
2 OK (✓)	save the name that you entered

Getting Started

Adjusting the Power Mode

You can select **Continuous** or **Save** power mode. Your module uses more battery power when a feature is on.

To set the power mode:

Find the Feature



> Settings > Connection
> Bluetooth Link > Setup > Power

Press	To
1	scroll to the power option you want Refer to the table on 10 for information on the Power Mode settings.
2 SELECT ()	select the option

Getting Started

Feature	Power Mode	
	Continuous	Save
other devices can find your module	always	<ul style="list-style-type: none">• first 60 seconds after power-up• first 60 seconds after power mode changed to Save
other devices can bond (connect) to your module	<ul style="list-style-type: none">• first 60 seconds after power-up• first 60 seconds after power mode changed to Continuous	<ul style="list-style-type: none">• first 60 seconds after power-up until another device connects• first 60 seconds after power mode changed to Save until another device connects
your module scans for new devices	constant	constant

Getting Started

Turning Voice Dial On and Off

You can change the function of the button on some Bluetooth headsets. This only applies to phones with voice recognition.

- With Voice Dial **On**, this button functions like your phone's Voice Dial button.
- With Voice Dial **Off**, this button functions like .

Find the Feature



> **Settings** > **Connection**
> **Bluetooth Link** > *device name*
> **Voice Dial**

Press	To
1 	scroll to On or Off
2 SELECT ()	select the option

Linking Devices

Starting a Link to Another Device

You can tell your module to find and link to other Bluetooth devices. Your module remembers the last device it linked, so you can reconnect it quickly.

Note: You can only link to one device at a time.

Finding and Linking Devices

To look for available Bluetooth devices and select one to link:

**Find the
Feature**



> Settings > Connection
> Bluetooth Link > Hands Free
> Scan All

Linking Devices

The module scans for devices and shows you a list of the ones it finds.
To link a device in the list:

Press	To
1 ⌂	scroll to the device you want to link
2 LINK (⌚)	ask the device to link Your phone displays a linking notice when the link is complete.

Linking the Last Device

You can quickly reconnect the last device that linked to your module:

Find the Feature



> **Settings > Connection**
> **Bluetooth Link > Reconnect**

The module links to the device.

Tip: To reconnect to the last device during a voice call, press
 > **Use Bluetooth**

Linking Devices

Resolving a Lost Link

If your Bluetooth module loses its link to a handsfree device, it automatically tries to reconnect for 8 seconds. If it cannot reconnect, it displays **Retrying Bluetooth Link: Use Handset?**.

Note: This only applies to handsfree devices such as headsets and car kits.

To resolve the lost link:

Do This

Press **YES** (•)

To

switch to your phone's handset and resume the call

or

Wait

let the module try to reconnect for 30 seconds

If the module fails, it ends the call.

or

Plug in another device (such as a wired headset)

switch to the new device and resume the call

Linking Devices

Ending a Link

To disconnect your Bluetooth module from another device:

Find the Feature



> **Settings** > **Connection**
> **Bluetooth Link** > **Disconnect**

Press	To
YES (◀)	confirm the disconnect

Tip: If you are using a handsfree device during a voice call, you can switch to the *handset* (the phone's earpiece and microphone) by pressing > **Use Handset**

Linking Devices

Receiving a Link from Another Device

Other Bluetooth devices may ask to link with your module, if it is awaiting links.

Awaiting Links

Your module *automatically* awaits links from new devices for 60 seconds when you:

- turn on your phone
- select the **Save** Bluetooth power mode.

Note: For more details about these options, see “Adjusting the Power Mode” on page 9.

You can also make your module await links for a 60-second period *manually*.

Find the Feature

 > **Settings** > **Connection**
 > **Bluetooth Link** > **Setup**
 > **Await Link**

Linking Devices

The phone displays a brief notice and the module awaits new links for 60 seconds.

Responding to Link Requests

If a device's access level is set to **Automatic** (the standard setting), then your module grants the device's link requests without any notice. To change a device's access level, refer to "Editing a Device in Your Device List" on page 20.

If your module receives a link request from a device with **Ask** access, your phone displays a message such as **Bond with Computer?**

Press	To
YES (	grant the device access to a service on your module
or	
NO ( <td>deny access</td>	deny access

Linking Devices

For additional security, the requesting device may also require you to enter a passkey (authorization code):

Press	To
1 keypad keys	enter your Bluetooth passkey
2 OK (✓)	submit your passkey and grant access

Managing Your Device List

Your module keeps a list of the devices that link with it. If you change the name and access level for a device in this list, your module will use your settings the next time it links to the device.

Note: Your device list holds up to seven devices. To add a device to the list, link to the device (your module adds it to the list).

Linking Devices

Access Level Descriptions

You can grant one of two access levels to a device:

Access	Description
Automatic (standard access)	The device can use any of your module's services without asking you for approval.
Ask	Your phone asks for your approval each time the device wants to use a service on your module.

Linking Devices

Editing a Device in Your Device List

To edit a device in your list:

Find the Feature



> Settings > Connection
> Bluetooth Link > Devices

Press	To
1 ⌂	scroll to the device you want to edit
2 EDIT (✉)	display the device's details
3 CHANGE (✉)	select Name , if you want to change the name that appears
4 keypad keys	enter the new name (20 characters maximum)
5 OK (✉)	store the name
6 ⌂	scroll to Access
7 CHANGE (✉)	select Access
8 ⌂	scroll to Automatic or Ask
9 SELECT (✉)	store the access level

Linking Devices

Deleting a Device in Your Device List

To delete a device in your list:

Find the Feature



> Settings > Connection
> Bluetooth Link > Devices

Press	To
1 (left arrow)	scroll to the device you want to delete
2	display the device list menu
3 SELECT ()	select Delete

Troubleshooting

Error	Resolution
Bluetooth Module Not Attached	<p>Check to make sure that the Bluetooth module is attached and connected correctly. This error appears if the module was attached but became loose or unattached.</p>
Bluetooth Bond Failed: List Full	<p>Your phone may display this error when you try to establish a bond connection between your module and another device.</p> <p>The reason for this error is that your module uses a small amount of memory to establish connections. If your device list is full, your module does not have enough memory to use.</p> <p>To resolve the error, delete one or more items from your device list (refer to "Deleting a Device in Your Device List" on page 21). Then try the connection again from the beginning.</p>

Troubleshooting

Error	Resolution
Invalid: Bluetooth Passkey	If you enter an incorrect Passkey, you need to start the bond again. You do not get another chance to enter the Passkey.
No links found	The module found no devices during a scan.
Unable to Connect (Connection Failed)	This error appears if a device is not available when you try to "reconnect" it or select it from the device list.